ENGINEERING
TOMORROW

Installation guide
Electric Expansion Valve, Manifold ETS
Type ETS 800P ETS 1000P

UK CA

034R9838

Compatible refrigerants /
Kältemittel Kompatibilität /
Fluides compatibles /
Compatibilidad de refrigerantes /
适用的冷媒:

R134a, R404A, R407A, R407C, R407F, R407H, R410A, R417A, R422A, R422B, R422D, R438A, R442A, R448A, R449A, R449B, R450A, R452A, R463A, R507A, R513A, R513B, R515A, R515B, R1234ze(E)

NOTE: For more details, please check datasheet.

Inlet fluid temperature /
Eingangstemperaturbereich /
entrée température du fluide /
entrada temperatura líquida /
入口流体温度:

Min. -40 °C / -40 °F

Max. 70 °C / 158 °F

Max. working pressure /
Max. zul. Betriebsüberdruck /
Pression de service max. /
Presión de trabajo máx. /
最大工作压力 **(gauge)**:

MWP = 37 bar / 536 psig

Stepper motor type /
Schrittmotortype /
Type de moteur pas à pas /
Tipo de motor a pasos /
步进电机形式:

Bipolar

Allowable ambient temperature /
Zulässige Umgebungstemperatur /
Température ambiante admissible /
Temperatura ambiente permisible /
允许的环境温度:

Min. -40 °C / -40 °F

Max. 70 °C / 158 °F

Total number of steps: /
Max. Schritte: /
Nombre de pas total: /
Número de pasos total: /
总步数:

ETS 800P 3810 full steps

ETS 1000P 4999 full steps

Nominal voltage /
Nennspannung /
Tension nominale /
Voltaje nominal /
名义电压:

12 V DC

Resistance /
Widerstand /
résistance électrique /
Resistencia /
电阻:

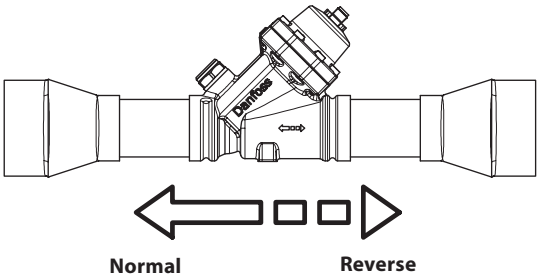
52.4 Ohm ±10% @ 25 °C

Phase current /
Phasenstrom /
Phase électrique /
Corriente de fase /
相电流:

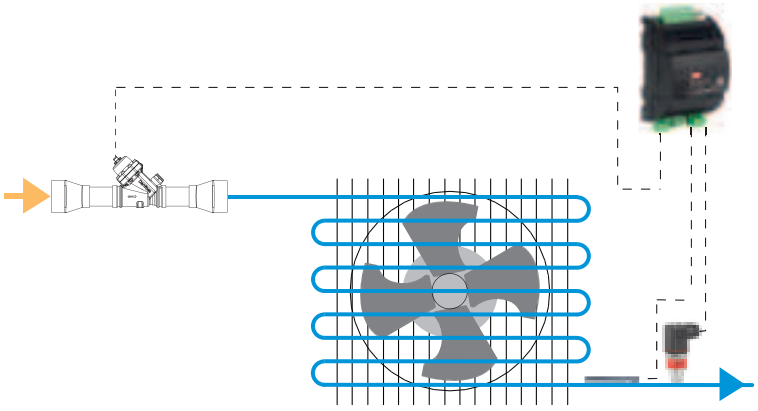
Recommended: 400 mA at 200 pps

Flow Direction / Durchflussrichtung / Sens d'écoulement / Dirección del flujo / 流向:

ETS 800P / 1000P



Application / Anwendung / Application / Aplicación / 应用:

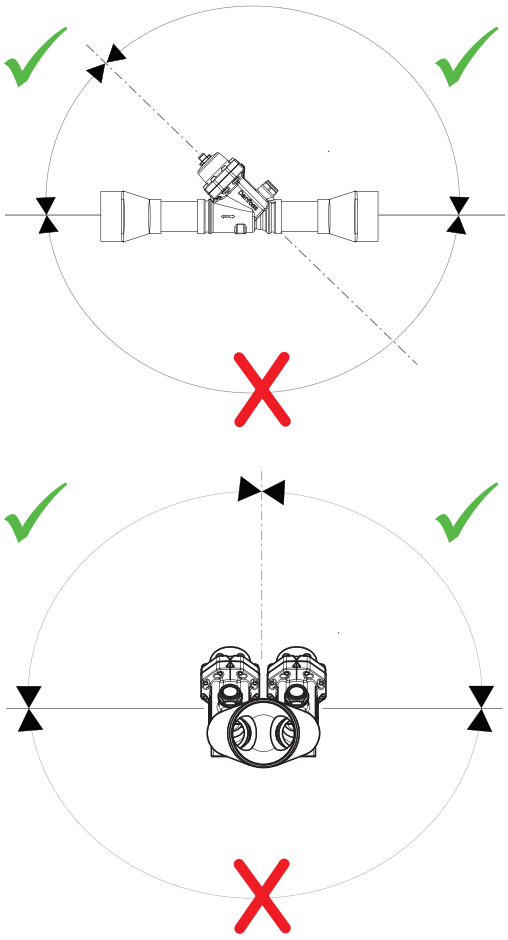


Импортер:ТОВ зі ii "Данфосс ТОВ" 04080, Київ 80, п/с 168, Україна

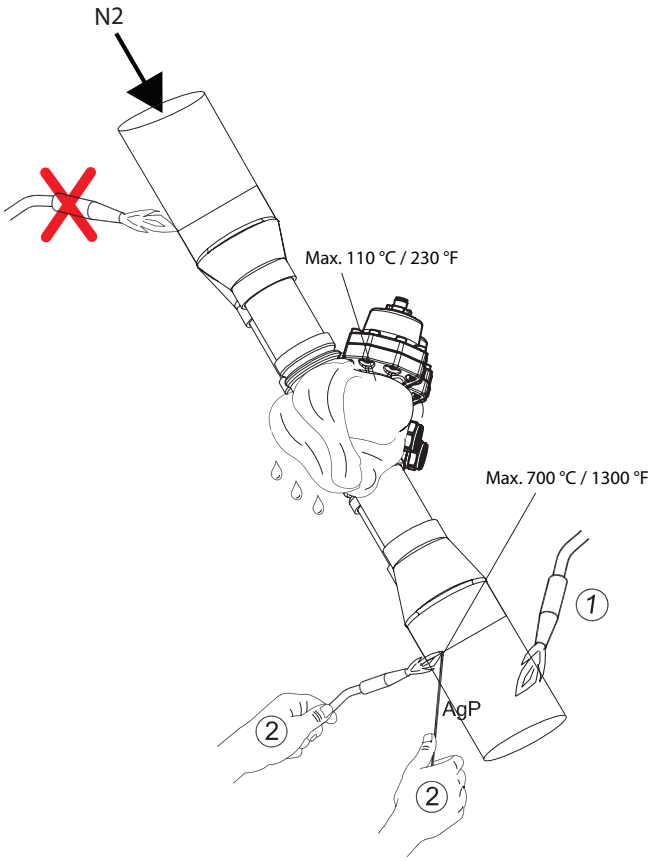
Info for UK customers only: Danfoss Ltd., 22 Wycombe End, HP9 1NB, GB

AN486428609017en-000101

Mounting / Einbau / Montage / Installación / 安装:



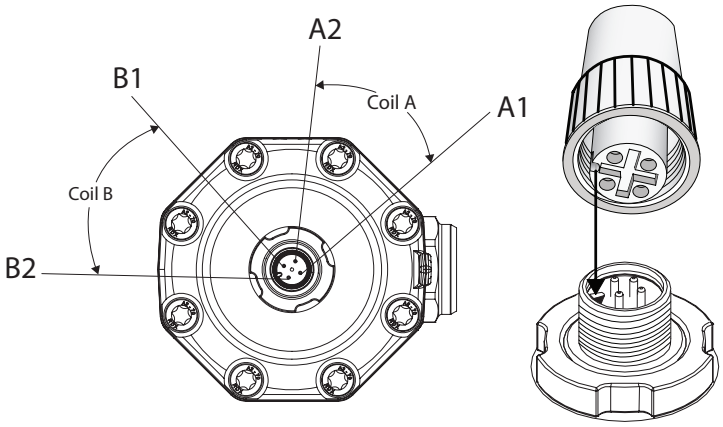
Brazing / Einbau / Montage /Installación / 安装:



N2 gas from opposite side of soldering point.
Schutzgas gegenüber der Lötstelle einströmen lassen.
Refroidissement gaz ci-contre site de point de soudure.
Corriente de N2 desde el lado opuesto a la soldadura.
氮气保护从阀门焊接口的另一侧通入.

Electrical connections / Elektrische Anschlüsse / Connexions électriques / Conexiones eléctricas/ 电气连接:

ETS 800P / 1000P

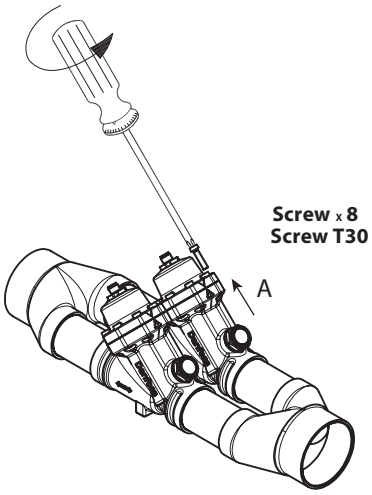


		Coil A		Coil B		
		A1	A2	B1	B2	
CLOSING ↑	1	+	-	+	-	OPENING ↓
	2	+	-	-	+	
	3	-	+	-	+	
	4	-	+	+	-	

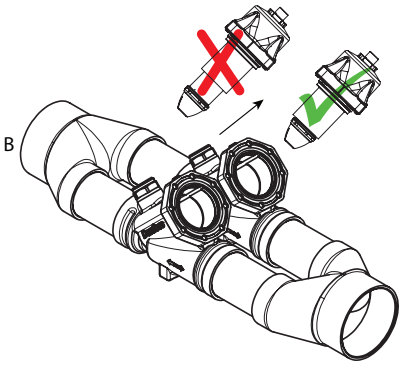
Disassembling / Zerlegung / Désassemblage / Desmontaj / 阀芯拆卸:

1

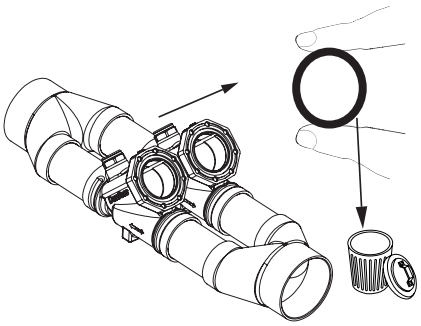
ETS 800P / 1000P



2

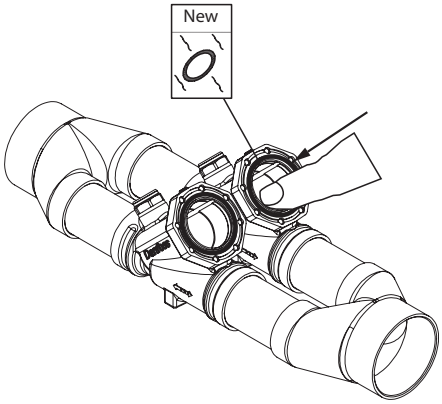


3



Assembling / Zusammenbau / Assemblage / Montaje / 阀芯安装:

1



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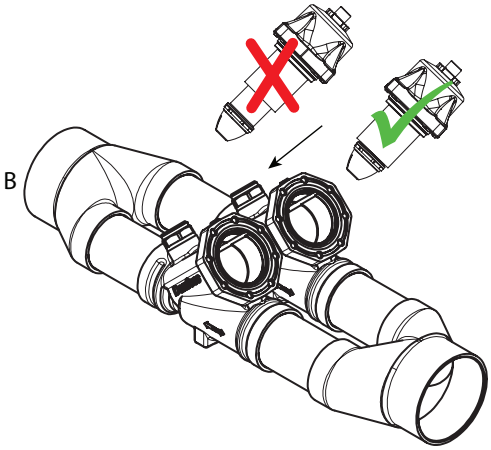
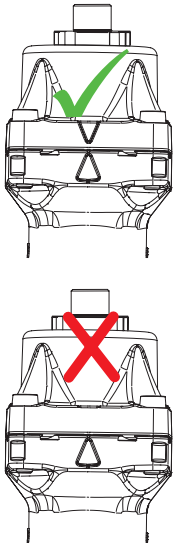
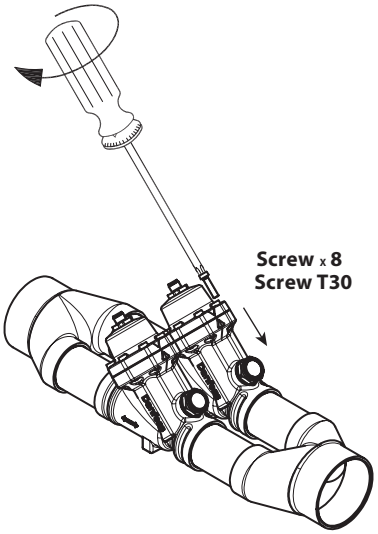


3



4

5.3 ±0.5 Nm (for ETS 800P / 1000P)



Warning! / Achtung! / Attention! / Advertencia! / 警告！

. Do not connect directly to AC/DC power source. Connect valve to appropriate controller/driver only. Do not operate valve while assembling or disassembling

. Bitte den ETS nicht direkt mit einer Spannungsquelle (Gleich- oder Wechselstrom) verbinden. Schließen Sie das Ventil nur an geeignete Regler/Steuergeräte an. Ventil bitte nicht in zerlegtem Zustand ansteuern.

. Ne pas raccorder directement le moteur à une alimentation AC / DC. Raccorder la vanne au régulateur approprié. Ne pas actionner la vanne pendant le montage ou le démontage.

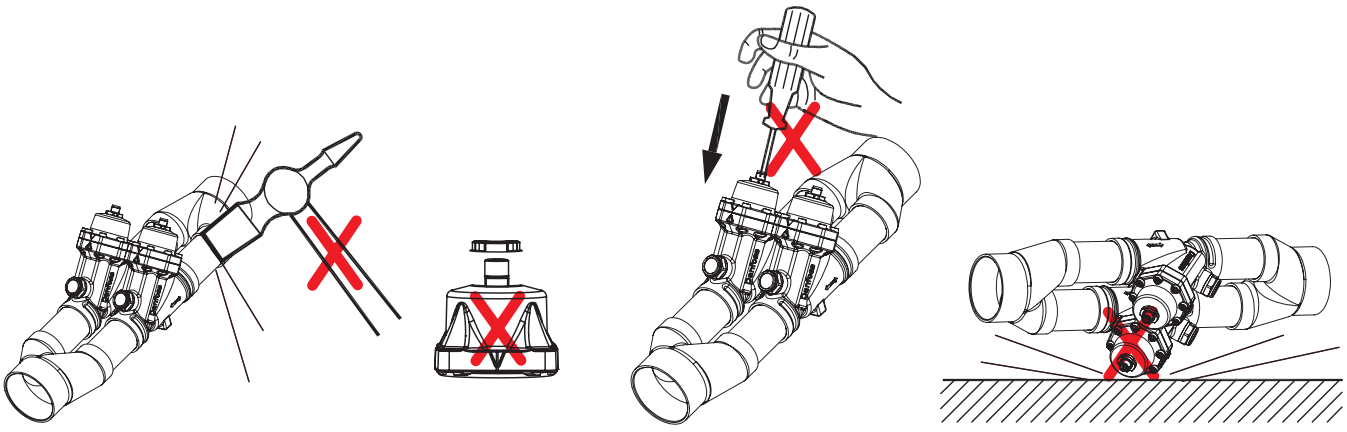
. No aplicar tensión directamente a la válvula. Conectar la válvula a un controlador/driver adecuado. No haga funcionar la válvula durante el montaje o desmontaje.

. 请仅将阀门连接于合适的控制器/驱动器，勿直接与交流或直流电源连接。在安装和拆卸阀门时请勿操作电子膨胀阀。

Special note for R1234ze(E) :

Ignition risk is evaluated in accordance to ISO5149/EN378 and IEC60335-2-40.

- Do not use valve outside of the stated temperature limits.
- Do not unplug when energized
- Must be installed in a suitable end use enclosure to protect the valve electrical plug against moisture, dust, dirt and impact.
- For countries where safety standards are not an indispensable part of the safety system Danfoss recommend the installer to get a third party approval of the system containing flammable refrigerant.



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